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Intermountain Power Service

RJM Corporation

- (✓) Turn Down Method - e.g., pull 1 level of burners from service at 75% load, 2 levels at 50% load, etc. (maintain fueler speeds ~ 65-85%)

reference pull vs load curve  
(✓) Current Emissions ( ) O<sub>2</sub> 3.2 %  
( ) NO<sub>x</sub> 0.40 #/lb fuel (ave full load)  
( ) CO 450 ppm

**BURNER/BOILER (drawings & data):**

- ( ) Boiler Cross Section/Layout  
making copies  
( ) Burner Positions, Over-Fire Air Ports (if any), Gas Flow Path, etc.  
making copies  
B&W ( ) Windbox Dimensions & Layout  
( ) Is PC tube rifled or smooth (yes or no - if yes, provide details)  
rifled (being drawn up)  
B&W ( ) For old and new burner, number of air doors (outer zone)  
For old and new burner, number of air vanes (inner zone)  
B&W ( ) Detail drawings of air door and air vanes for old and new burners  
B&W ( ) Provide View "E-E" per Drawings 294361E-12 & SK41791E-O  
B&W ( ) Present old and new burner materials of construction call out sheets  
(✓) Temperature data and location description of outer air zone and PC tube thermocouples. Describe how thermocouples are attached. Define normal operating conditions and worst-case conditions. Provide a range of temperature and operating conditions if possible.  
B&W ( ) Throat and wall construction details - insulation, castable throats or tile, etc.  
(✓) Rotation - Number of burners CW & CCW  
reference burner layout drawings  
24 CW 24 CCW  
(✓) Do outer and inner zones all rotate in same direction?  
yes  
B&W ( ) Detail of outer zone backplate and hold down clips or assembly  
B&W ( ) Detail of throat sleeve casing (old & new burners)

✓ Lighter Shroud - detail drawing